FIG. 1

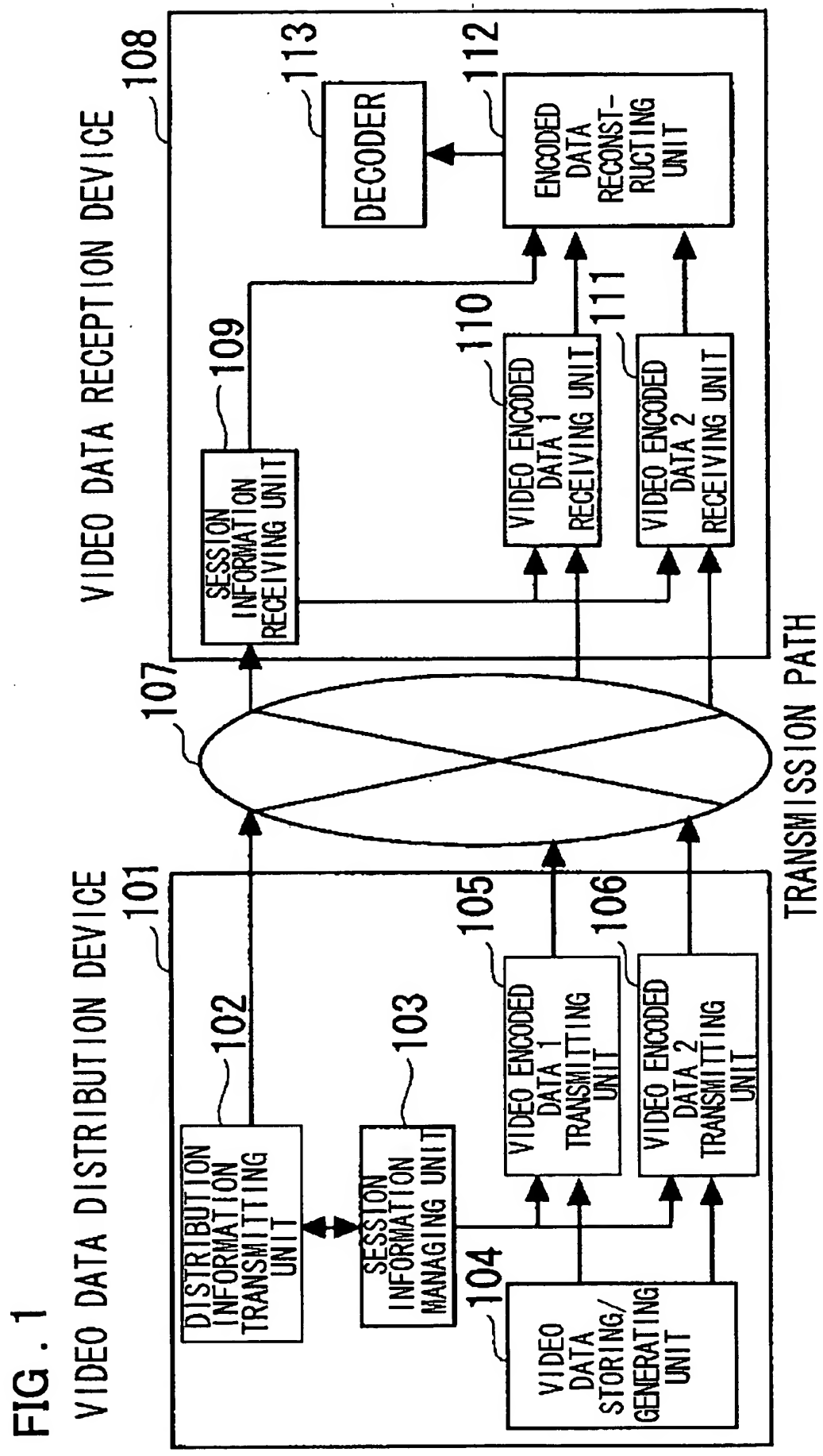

VIDEO DATA DISTRIBUTION DEVICE
101
VIDEO DATA STORING/ GENERATING UNIT
104
SESSION INFORMATION MANAGING UNIT
103
DISTRIBUTION INFORMATION TRANSMITTING UNIT
102
VIDEO ENCODED DATA 1 TRANSMITTING UNIT
105
VIDEO ENCODED DATA 2 TRANSMITTING UNIT
106
TRANSMISSION PATH
107
VIDEO DATA RECEPTION DEVICE
108
SESSION INFORMATION RECEIVING UNIT
109
VIDEO ENCODED DATA 1 RECEIVING UNIT
110
VIDEO ENCODED DATA 2 RECEIVING UNIT
111
ENCODED DATA RECONST-RUCTING UNIT
112
DECODER
113

FIG. 2

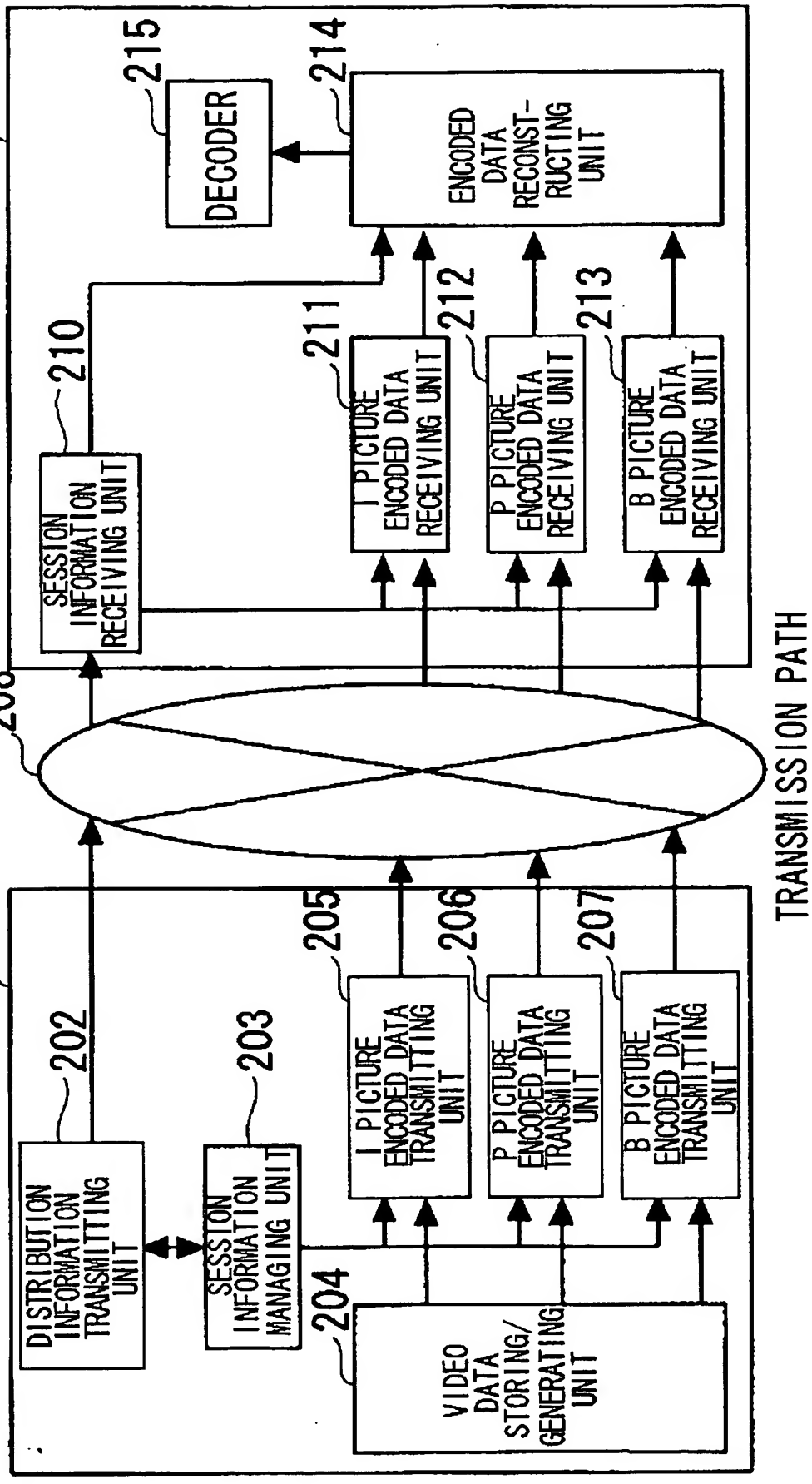

VIDEO DATA DISTRIBUTION DEVICE
201
VIDEO DATA RECEPTION DEVICE
209
TRANSMISSION PATH
208
DISTRIBUTION INFORMATION TRANSMITTING UNIT
202
SESSION INFORMATION MANAGING UNIT
203
VIDEO DATA STORING/ GENERATING UNIT
204
I PICTURE ENCODED DATA TRANSMITTING UNIT
205
P PICTURE ENCODED DATA TRANSMITTING UNIT
206
B PICTURE ENCODED DATA TRANSMITTING UNIT
207
SESSION INFORMATION RECEIVING UNIT
210
I PICTURE ENCODED DATA RECEIVING UNIT
211
P PICTURE ENCODED DATA RECEIVING UNIT
212
B PICTURE ENCODED DATA RECEIVING UNIT
213
ENCODED DATA RECONSTRUCTING UNIT
214
DECODER
215

FIG. 3

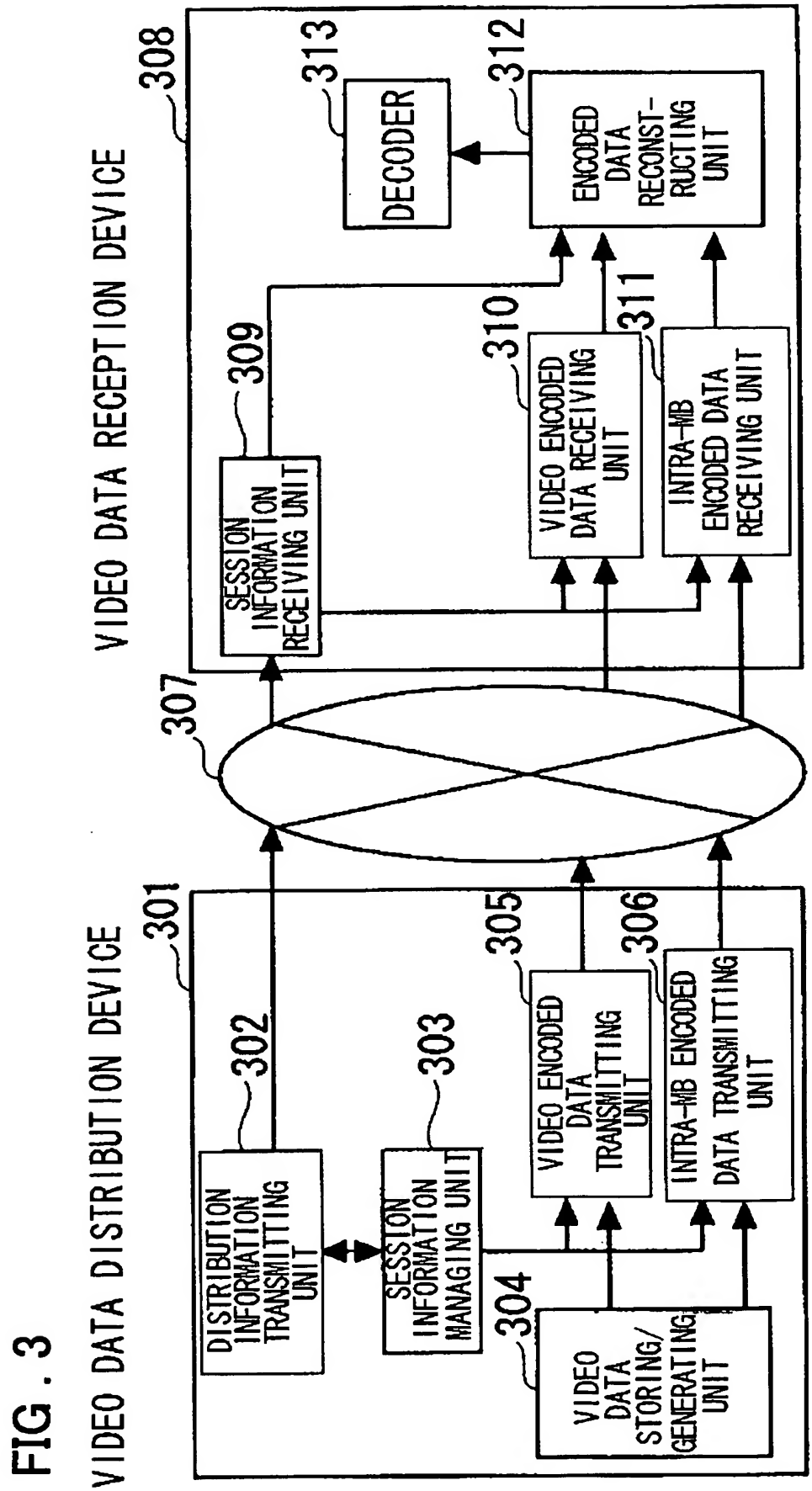

VIDEO DATA DISTRIBUTION DEVICE
301
DISTRIBUTION INFORMATION TRANSMITTING UNIT
302
SESSION INFORMATION MANAGING UNIT
303
VIDEO DATA STORING/ GENERATING UNIT
304
VIDEO ENCODED DATA TRANSMITTING UNIT
305
INTRA-MB ENCODED DATA TRANSMITTING UNIT
306
TRANSMISSION PATH
307
VIDEO DATA RECEPTION DEVICE
308
SESSION INFORMATION RECEIVING UNIT
309
VIDEO ENCODED DATA RECEIVING UNIT
310
INTRA-MB ENCODED DATA RECEIVING UNIT
311
ENCODED DATA RECONST-RUCTING UNIT
312
DECODER
313

FIG. 4

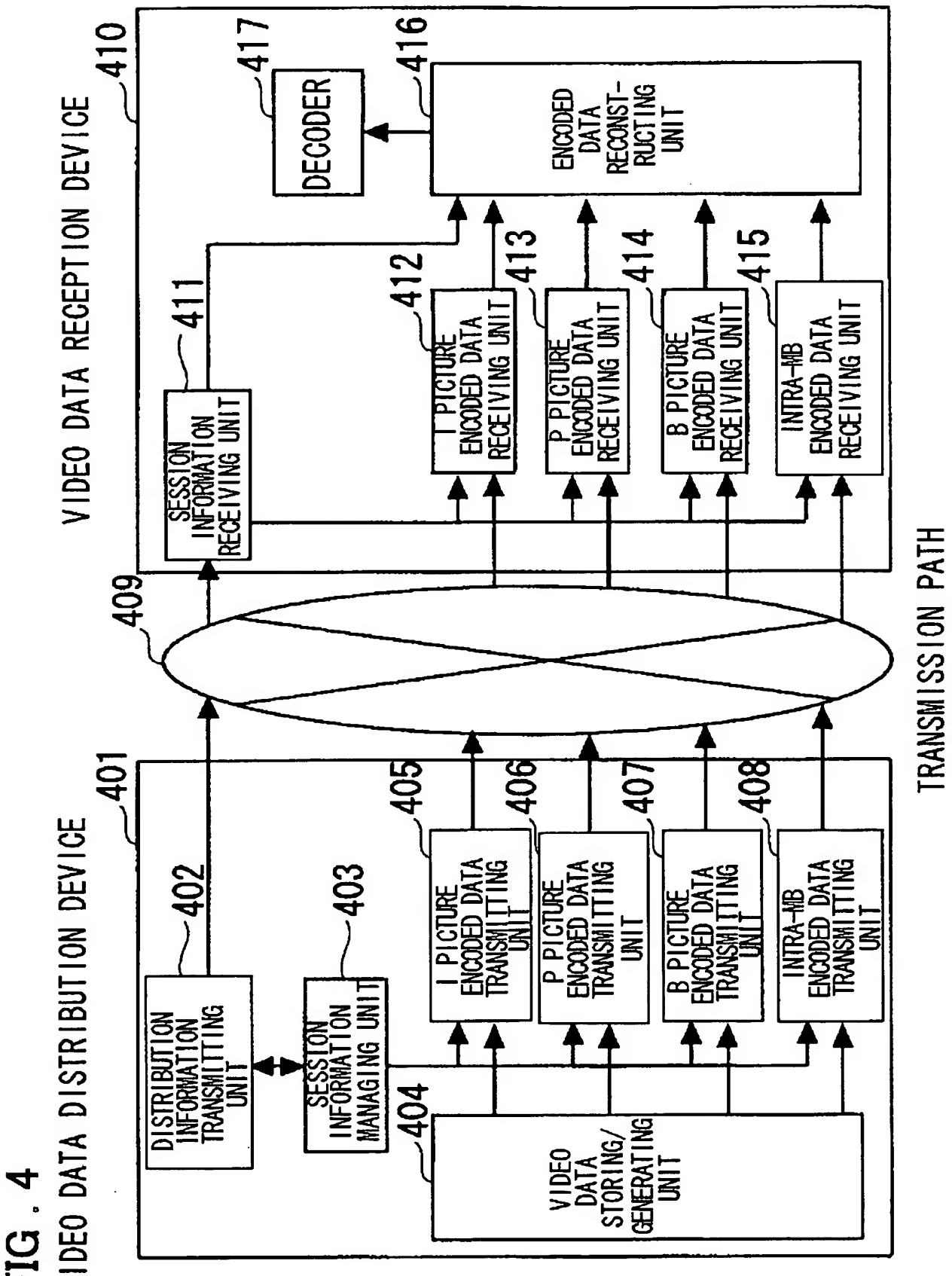

VIDEO DATA DISTRIBUTION DEVICE
401
DISTRIBUTION INFORMATION TRANSMITTING UNIT
402
SESSION INFORMATION MANAGING UNIT
403
VIDEO DATA STORING/ GENERATING UNIT
404
I PICTURE ENCODED DATA TRANSMITTING UNIT
405
P PICTURE ENCODED DATA TRANSMITTING UNIT
406
B PICTURE ENCODED DATA TRANSMITTING UNIT
407
INTRA-MB ENCODED DATA TRANSMITTING UNIT
408
409
TRANSMISSION PATH
VIDEO DATA RECEPTION DEVICE
410
SESSION INFORMATION RECEIVING UNIT
411
I PICTURE ENCODED DATA RECEIVING UNIT
412
P PICTURE ENCODED DATA RECEIVING UNIT
413
B PICTURE ENCODED DATA RECEIVING UNIT
414
INTRA-MB ENCODED DATA RECEIVING UNIT
415
ENCODED DATA RECONST-RUCTING UNIT
416
DECODER
417

FIG. 5

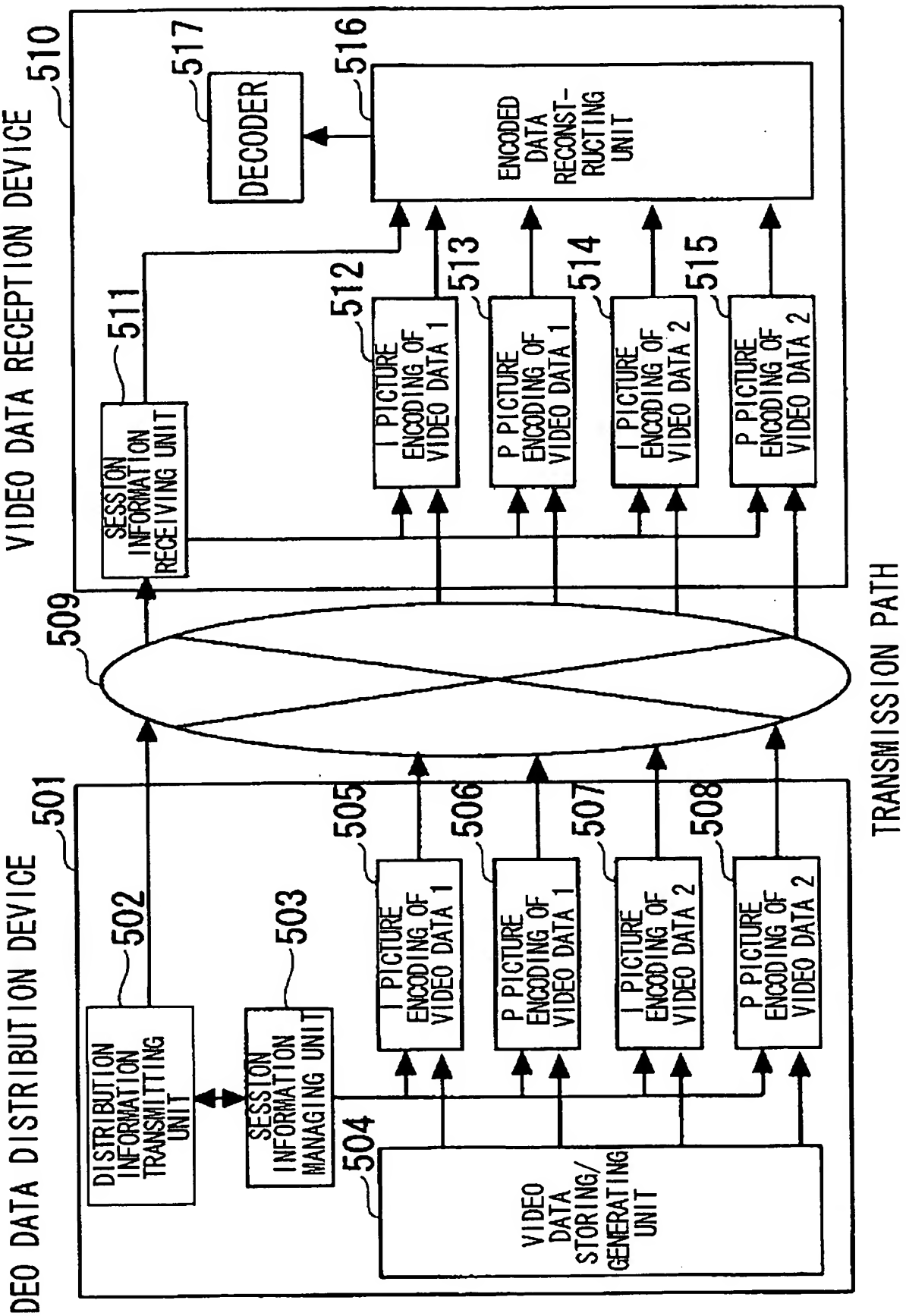

VIDEO DATA DISTRIBUTION DEVICE
501
DISTRIBUTION INFORMATION TRANSMITTING UNIT
502
SESSION INFORMATION MANAGING UNIT
503
VIDEO DATA STORING/ GENERATING UNIT
504
I PICTURE ENCODING OF VIDEO DATA 1
505
P PICTURE ENCODING OF VIDEO DATA 1
506
I PICTURE ENCODING OF VIDEO DATA 2
507
P PICTURE ENCODING OF VIDEO DATA 2
508
509
TRANSMISSION PATH
VIDEO DATA RECEPTION DEVICE
510
SESSION INFORMATION RECEIVING UNIT
511
I PICTURE ENCODING OF VIDEO DATA 1
512
P PICTURE ENCODING OF VIDEO DATA 1
513
I PICTURE ENCODING OF VIDEO DATA 2
514
P PICTURE ENCODING OF VIDEO DATA 2
515
ENCODED DATA RECONSTRUCTING UNIT
516
DECODER
517

FIG. 6

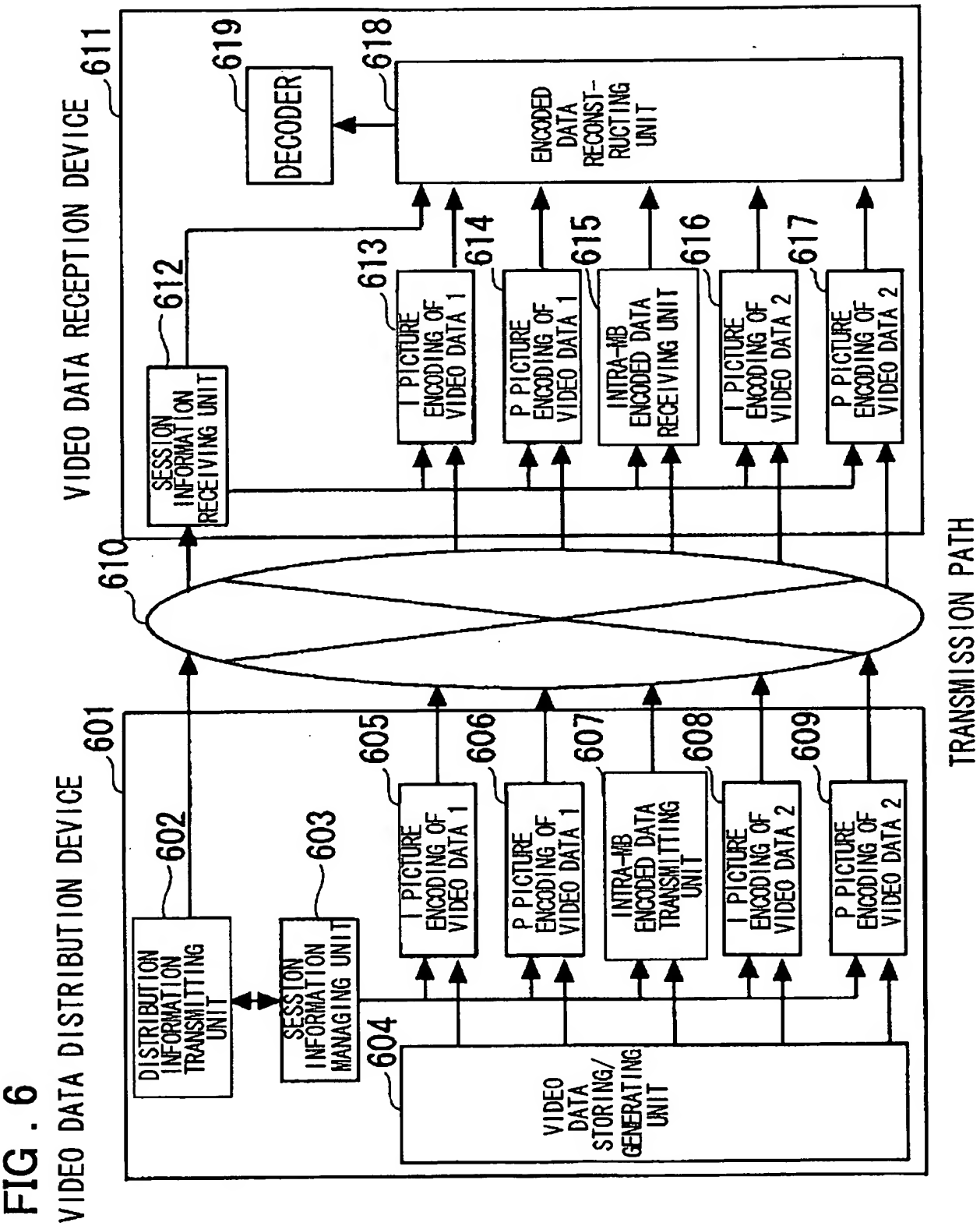

VIDEO DATA DISTRIBUTION DEVICE
601
DISTRIBUTION INFORMATION TRANSMITTING UNIT
602
SESSION INFORMATION MANAGING UNIT
603
VIDEO DATA STORING/ GENERATING UNIT
604
I PICTURE ENCODING OF VIDEO DATA 1
605
P PICTURE ENCODING OF VIDEO DATA 1
606
INTRA-MB ENCODED DATA TRANSMITTING UNIT
607
I PICTURE ENCODING OF VIDEO DATA 2
608
P PICTURE ENCODING OF VIDEO DATA 2
609
TRANSMISSION PATH
610
VIDEO DATA RECEPTION DEVICE
611
SESSION INFORMATION RECEIVING UNIT
612
I PICTURE ENCODING OF VIDEO DATA 1
613
P PICTURE ENCODING OF VIDEO DATA 1
614
INTRA-MB ENCODED DATA RECEIVING UNIT
615
I PICTURE ENCODING OF VIDEO DATA 2
616
P PICTURE ENCODING OF VIDEO DATA 2
617
ENCODED DATA RECONSTRUCTING UNIT
618
DECODER
619

FIG. 7

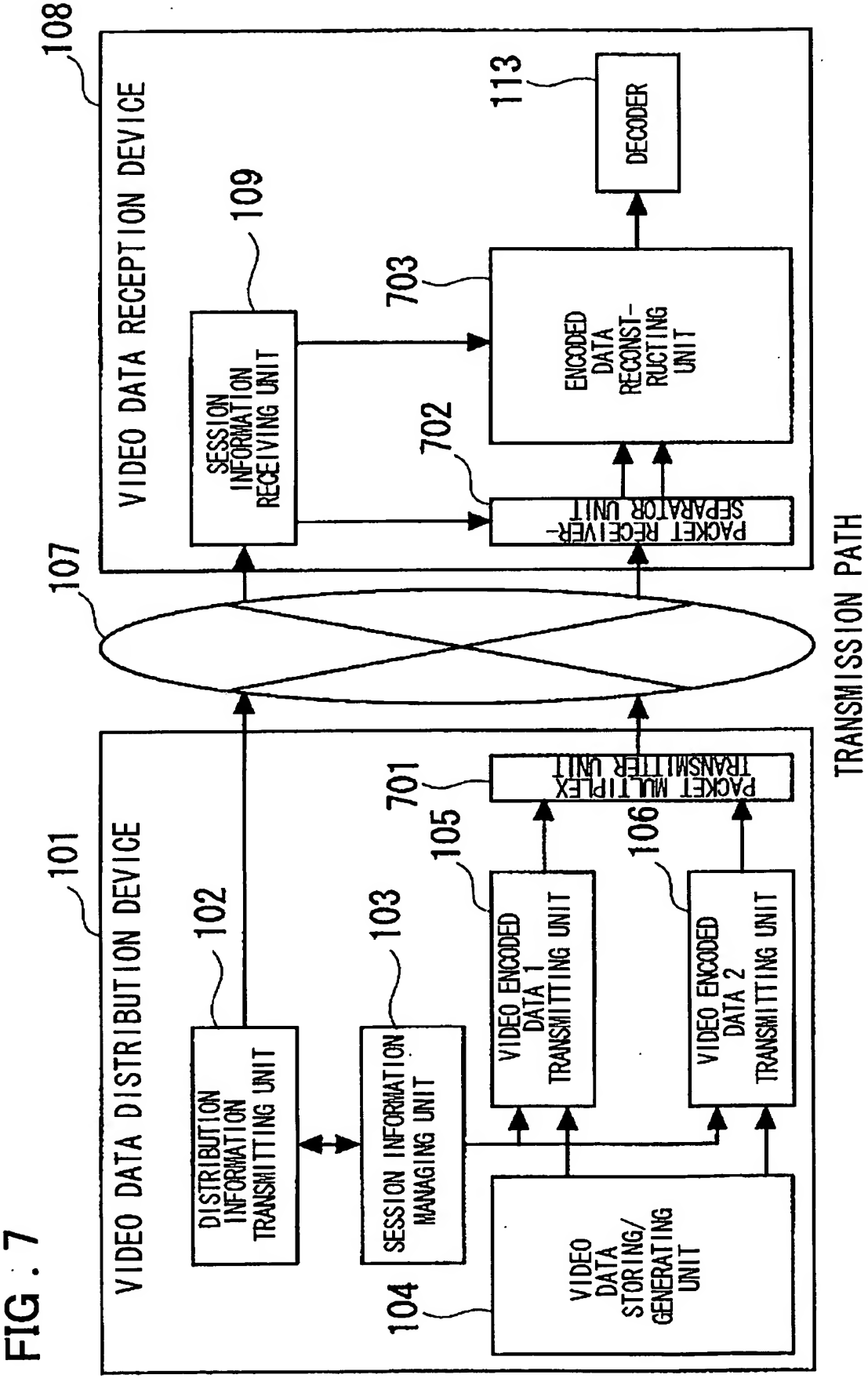

101
VIDEO DATA DISTRIBUTION DEVICE
102
DISTRIBUTION INFORMATION TRANSMITTING UNIT
103
SESSION INFORMATION MANAGING UNIT
104
VIDEO DATA STORING/ GENERATING UNIT
105
VIDEO ENCODED DATA 1 TRANSMITTING UNIT
106
VIDEO ENCODED DATA 2 TRANSMITTING UNIT
701
PACKET MULTIPLEX TRANSMITTER UNIT
107
TRANSMISSION PATH
108
VIDEO DATA RECEPTION DEVICE
109
SESSION INFORMATION RECEIVING UNIT
702
PACKET RECEIVER-SEPARATOR UNIT
703
ENCODED DATA RECONST-RUCTING UNIT
113
DECODER

FIG. 8

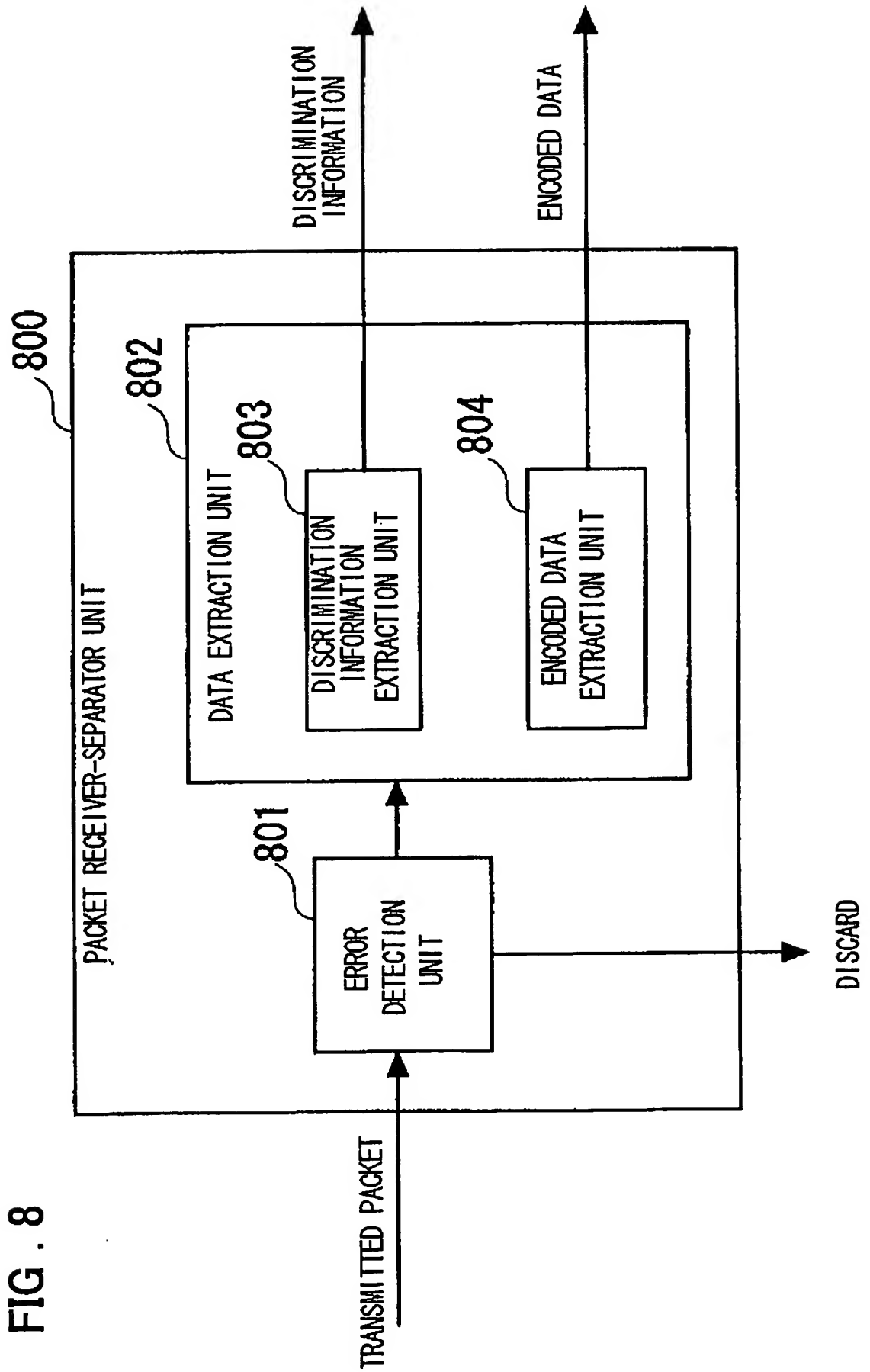

800
PACKET RECEIVER-SEPARATOR UNIT
802
DATA EXTRACTION UNIT
803
DISCRIMINATION INFORMATION EXTRACTION UNIT
804
ENCODED DATA EXTRACTION UNIT
801
ERROR DETECTION UNIT
DISCRIMINATION INFORMATION
ENCODED DATA
DISCARD
TRANSMITTED PACKET

FIG. 9

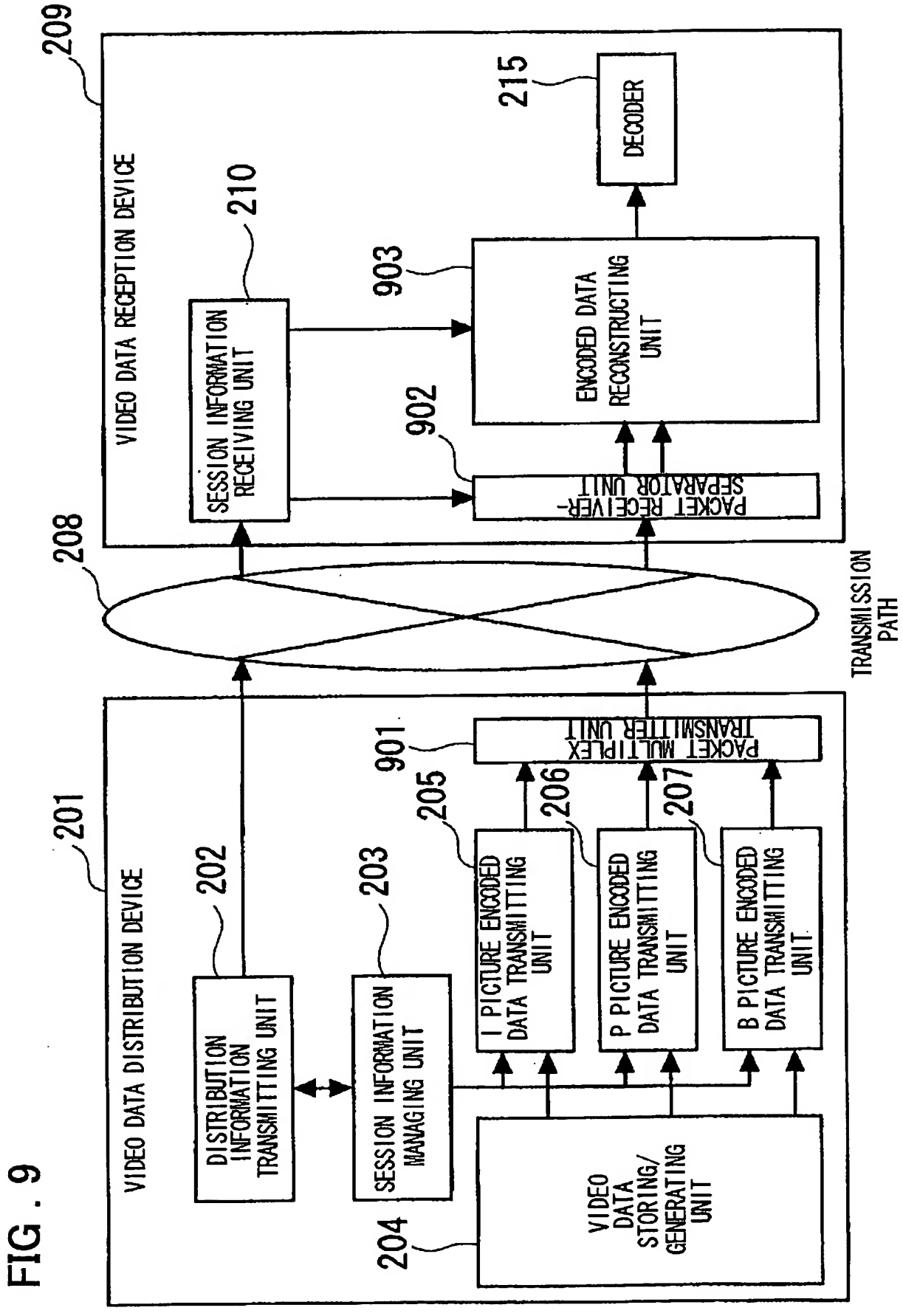

VIDEO DATA DISTRIBUTION DEVICE
201
DISTRIBUTION INFORMATION TRANSMITTING UNIT
202
SESSION INFORMATION MANAGING UNIT
203
VIDEO DATA STORING/ GENERATING UNIT
204
I PICTURE ENCODED DATA TRANSMITTING UNIT
205
P PICTURE ENCODED DATA TRANSMITTING UNIT
206
B PICTURE ENCODED DATA TRANSMITTING UNIT
207
PACKET MULTIPLEX TRANSMITTER UNIT
901
208
TRANSMISSION PATH
VIDEO DATA RECEPTION DEVICE
209
SESSION INFORMATION RECEIVING UNIT
210
PACKET RECEIVER-SEPARATOR UNIT
902
ENCODED DATA RECONSTRUCTING UNIT
903
DECODER
215

FIG. 10

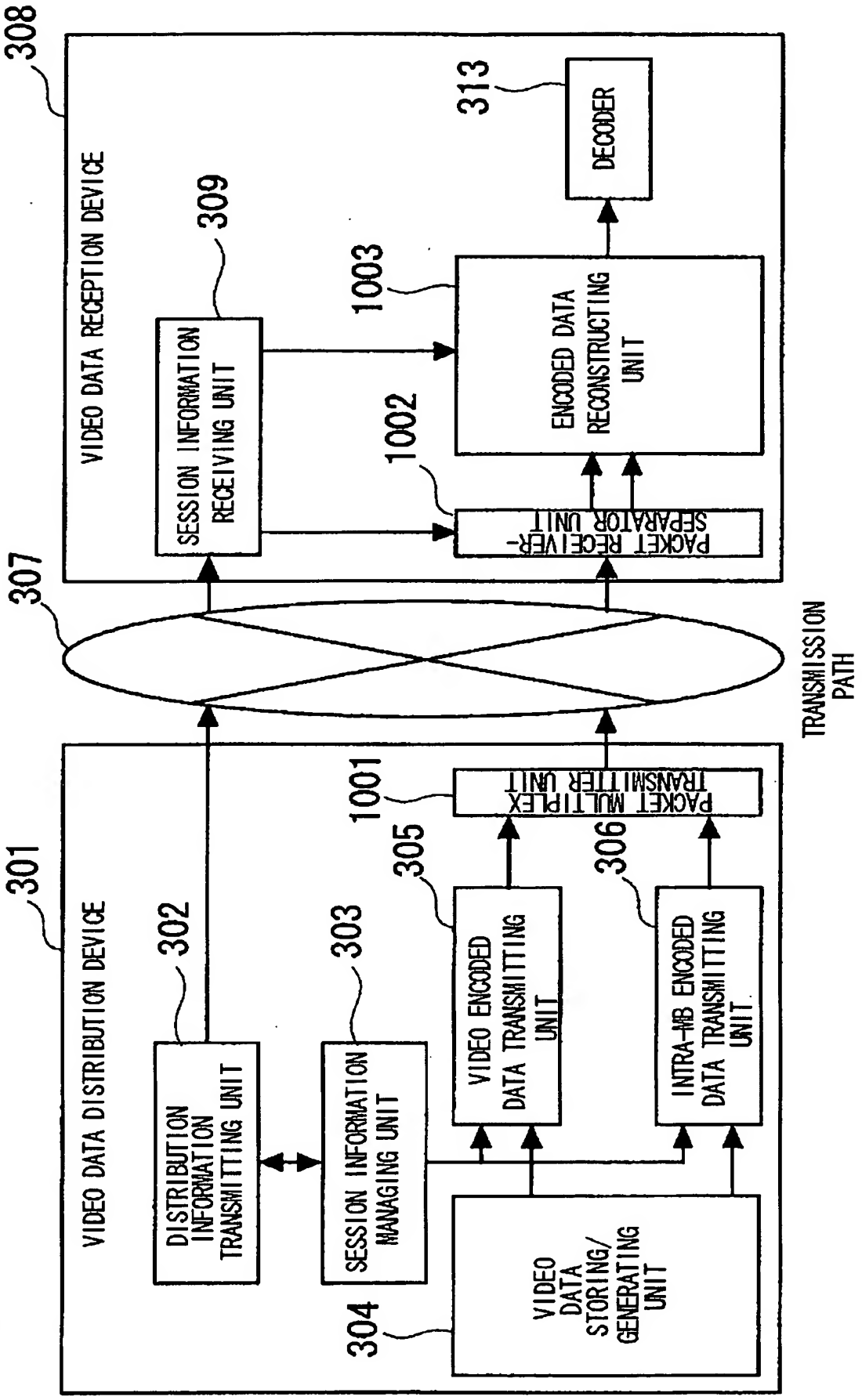

301
VIDEO DATA DISTRIBUTION DEVICE
302
DISTRIBUTION INFORMATION TRANSMITTING UNIT
303
SESSION INFORMATION MANAGING UNIT
304
VIDEO DATA STORING/ GENERATING UNIT
305
VIDEO ENCODED DATA TRANSMITTING UNIT
306
INTRA-MB ENCODED DATA TRANSMITTING UNIT
1001
PACKET MULTIPLEX TRANSMITTER UNIT
307
TRANSMISSION PATH
308
VIDEO DATA RECEPTION DEVICE
309
SESSION INFORMATION RECEIVING UNIT
1002
PACKET RECEIVER-SEPARATOR UNIT
1003
ENCODED DATA RECONSTRUCTING UNIT
313
DECODER

FIG. 11

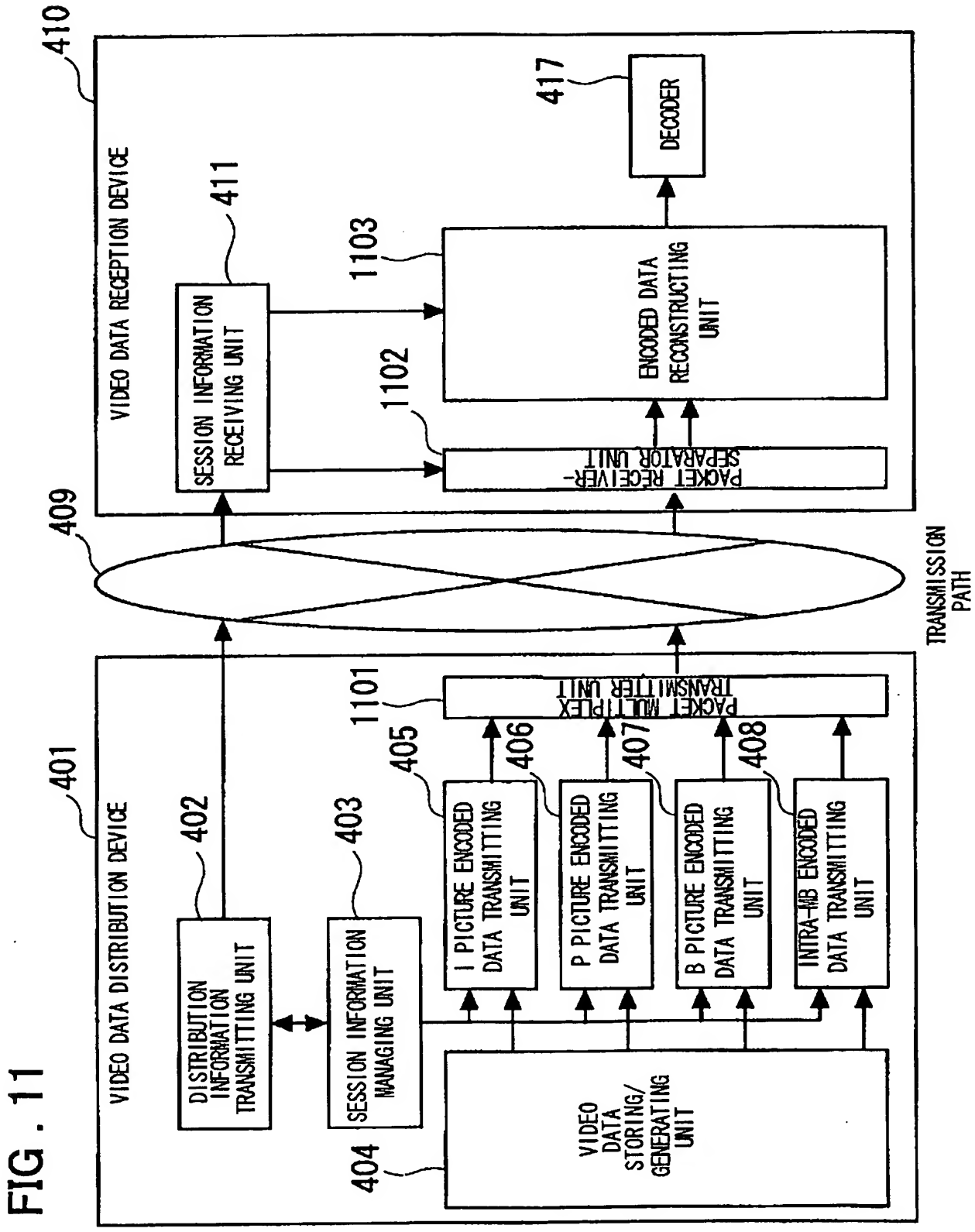

401
VIDEO DATA DISTRIBUTION DEVICE
402
DISTRIBUTION INFORMATION TRANSMITTING UNIT
403
SESSION INFORMATION MANAGING UNIT
404
VIDEO DATA STORING/ GENERATING UNIT
405
I PICTURE ENCODED DATA TRANSMITTING UNIT
406
P PICTURE ENCODED DATA TRANSMITTING UNIT
407
B PICTURE ENCODED DATA TRANSMITTING UNIT
408
INTRA-MB ENCODED DATA TRANSMITTING UNIT
1101
PACKET MULTIPLEX TRANSMITTER UNIT
409
TRANSMISSION PATH
410
VIDEO DATA RECEPTION DEVICE
411
SESSION INFORMATION RECEIVING UNIT
1102
PACKET RECEIVER-SEPARATOR UNIT
1103
ENCODED DATA RECONSTRUCTING UNIT
417
DECODER

FIG. 12

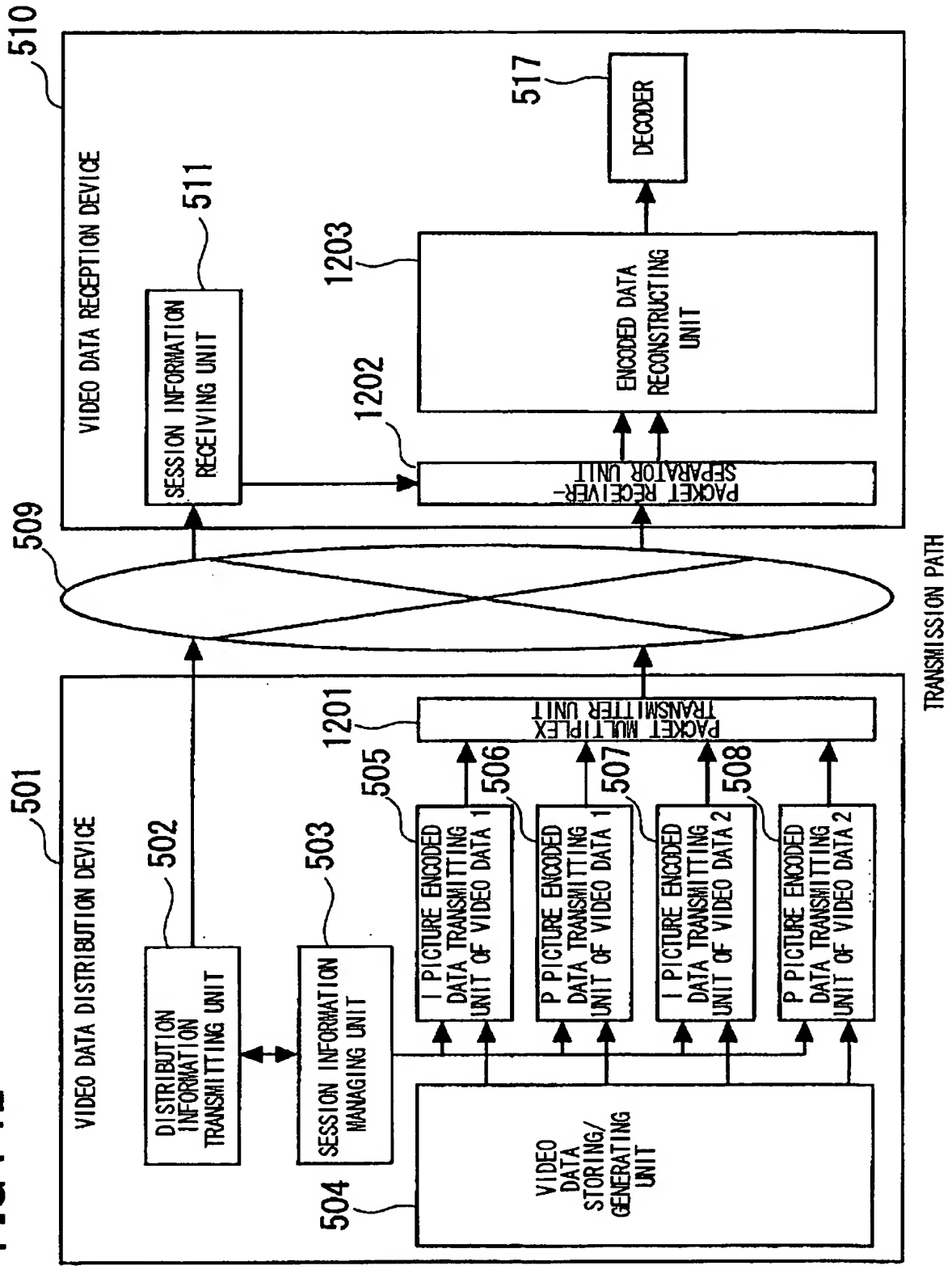
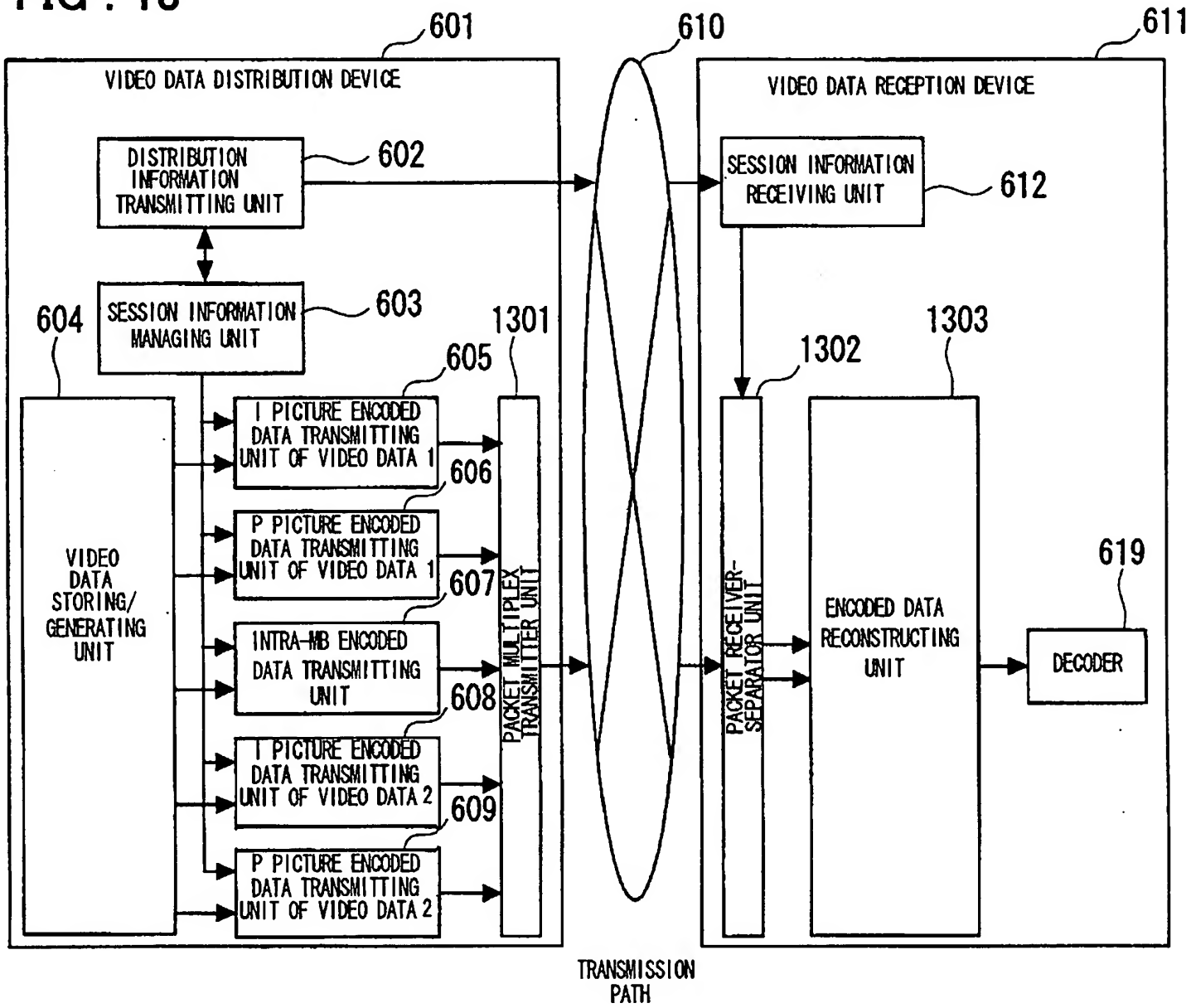

510
VIDEO DATA RECEPTION DEVICE
517
DECODER
511
SESSION INFORMATION RECEIVING UNIT
1203
ENCODED DATA RECONSTRUCTING UNIT
1202
PACKET RECEIVER-SEPARATOR UNIT
509
TRANSMISSION PATH
501
VIDEO DATA DISTRIBUTION DEVICE
1201
PACKET MULTIPLEX TRANSMITTER UNIT
505
506
507
508
I PICTURE ENCODED DATA TRANSMITTING UNIT OF VIDEO DATA 1
P PICTURE ENCODED DATA TRANSMITTING UNIT OF VIDEO DATA 1
I PICTURE ENCODED DATA TRANSMITTING UNIT OF VIDEO DATA 2
P PICTURE ENCODED DATA TRANSMITTING UNIT OF VIDEO DATA 2
502
503
DISTRIBUTION INFORMATION TRANSMITTING UNIT
SESSION INFORMATION MANAGING UNIT
504
VIDEO DATA STORING/GENERATING UNIT

FIG . 13



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